

IN THE SPECIFICATION

Replace the paragraph beginning on Page 5, Line 18 with the following new paragraph:

A) The inventors have found that vibration of the mold 20 while the molten metal contained therein solidifies has significantly reduced the solidification time for a wheel casting. During tests, the solidification time has been reduced from six minutes without vibration to 4 to 5 minutes. Thus, vibration can reduce solidification time by 20 to 33 percent. Additionally, the inventor has observed that, with vibration, the microstructure grain size of a wheel casting is reduced from the size resulting without vibration. Also, the spacing of the dendrite arms within the casting is reduced when the mold is vibrated while the metal solidifies. Accordingly, the tensile strength of the wheel is improved by the application of vibration.

IN THE CLAIMS

Substitute the following amended Claims 1, 2, 5 through 7, 10, 16 and 17 for the pending claims of the same number:

- A2
Sub B1
1. (Amended) An apparatus for casting a vehicle wheel component comprising:
- a mold base segment;
 - a plurality of movable mold side segments
 - a movable top core segment, said top core segment co-operating with said base and side segments to define a mold for casting a vehicle wheel component;
 - a pneumatically powered vibration device mounted adjacent to said top core segment and is operative to vibrate said top core segment when supplied with compressed air, said pneumatically powered vibration device having an inlet port for receiving compressed air;
 - a supply of compressed air connected to said inlet port of said vibration device;
 - a solenoid valve included in said compressed air supply for controlling the flow of compressed air into said inlet port of said vibration device; and